



ECS501 ROUTER

The diagram above shows the design of the ecs501 router. The router is shown to have a feeder which reads packets from a csv file and channels them onto their respective input queues. While that occurs, the packets which arrive on the input queues are channelled onto the main queue via a demultiplexer. Finally, packets arriving in the main queue are also channelled via a de-multiplexer to their respective output queues.

A key thing to note is that all these things happen almost simultaneously. The multiplexer and de-multiplexer both begin their work once packets start arriving in the queues which concern them.

-FOR EVIDENCE OF A STRUCTURED APPROACH TO DESIGN AND PROGRAMMING, PLEASE VISIT <https://github.com/Nnadozie/router-simulation>

-FLOW CHART IS ON THE NEXT PAGE

A FLOW CHART SHOWING HOW THE DIFFEENT COMPONENTS INTERACT

